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KERRIER RURAL DISTRICT COUNCIL

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

G.D.K. NEEDHAM, M.R.C.S., L.R.C.P., D.P.H.

for the twelve months ending,

31st. DECEMBER, 1957



1924

U.S. DEPARTMENT OF AGRICULTURE

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SECTION A

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Statistics

Area in Acres .....	90,989
Estimated mid-year population .....	22,440
Average number of persons per acre .....	0.24
Number of inhabited houses .....	6,990
Average number of inhabited houses per acre .....	0.07
Average number of persons per house .....	3.2
Rateable Value .....	£143,940
Product of a penny rate .....	£595.16.6d.

VITAL STATISTICS

1. Live Births

	<u>Males</u>	<u>Females</u>	<u>TOTALS</u>
Legitimate .....	140	164	304
Illegitimate .....	<u>3</u>	<u>4</u>	<u>7</u>
<u>TOTALS</u> .....	<u>143</u>	<u>168</u>	<u>311</u>

Birth Rate (Births per 1,000 estimated population)

Crude Birth Rate .....	13.86
Using comparability factor 1.06 .....	14.69
England & Wales 1957 Birth Rate .....	16.1

Comparison with previous four years (total live births)

	<u>1957</u>	<u>1956</u>	<u>1955</u>	<u>1954</u>	<u>1953</u>
Births .....	311	289	265	276	309
Birth Rate (Crude) .....	13.86	12.71	12.50	12.45	14.36
Birth Rate (Amended) .....	14.69	13.59	13.37	13.32	14.80
England & Wales Birth Rate .....	16.1	15.6	15.0	15.20	15.50

2. Still Births

	<u>Males</u>	<u>Females</u>	<u>TOTALS</u>
Legitimate .....	5	1	6
Illegitimate .....	<u>1</u>	<u>1</u>	<u>2</u>
<u>TOTALS</u> .....	<u>6</u>	<u>2</u>	<u>8</u>

Still Birth Rate per 1,000 estimated population .....	0.31
Still Birth Rate England & Wales 1957 .....	0.37
Still Birth Rate per 1,000 live & still births .....	22.01
Still Birth Rate England & Wales 1957 .....	22.4

Still Births - Comparison over five years

	<u>1957</u>	<u>1956</u>	<u>1955</u>	<u>1954</u>	<u>1953</u>
Total Still Births .....	7	10	17	10	7
Still Birth Rate per 1,000 estimated population	0.31	0.44	0.80	0.45	0.32
Still Birth Rate per 1,000 live & still births	22.01	33.44	60.28	34.96	22.7

The first part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom. It is shown that the structure of the atom is determined by the laws of quantum mechanics, and that the laws of quantum mechanics are in agreement with the experimental facts.

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### 3. Neo-Natal Mortality

#### Deaths of Infants under 4 weeks of age

	<u>Males</u>	<u>Females</u>	<u>TOTALS</u>
Legitimate ...	1	-	1
Illegitimate ...	-	-	-
<u>TOTALS</u> ...	<u>1</u>	<u>-</u>	<u>1</u>

Neo-Natal Mortality Rate per 1,000 live births ..... 3.21

#### Comparison over five years

	<u>1957</u>	<u>1956</u>	<u>1955</u>	<u>1954</u>	<u>1953</u>
Total Neo-Natal Deaths .....	1	17	6	3	7
Rate per 1,000 live births .....	3.21	58.83	22.64	10.86	22.6

### 4. Infant Mortality

#### Deaths of Infants under one year of age

	<u>Males</u>	<u>Females</u>	<u>TOTALS</u>
Legitimate ...	2	1	3
Illegitimate ...	-	-	-
<u>TOTALS</u> ...	<u>2</u>	<u>1</u>	<u>3</u>

Infant Mortality Rate per 1,000 live births ..... 9.63

England & Wales Infant Mortality Rate 1957 ..... 23.1

#### Comparison over five years

	<u>1957</u>	<u>1956</u>	<u>1955</u>	<u>1954</u>	<u>1953</u>
Infant Deaths .....	3	20	10	6	8
Rate per 1,000 live births .....	9.63	69.2	37.73	21.7	26.0

### 5. Maternal Mortality

Number of maternal deaths in 1957 ..... NIL

### 6. Deaths from all Causes

<u>Males</u>	<u>Females</u>	<u>TOTAL</u>
101	119	220

Death Rate per 1,000 estimated population ..... 9.79

Using comparability factor 1.01 ..... 9.69

England & Wales 1957 Death Rate ..... 11.5

#### Comparison over five years

	<u>1957</u>	<u>1956</u>	<u>1955</u>	<u>1954</u>	<u>1953</u>
Deaths .....	220	269	232	247	235
Death Rate .....	9.79	11.82	10.04	11.14	10.9
Comparative Rate .....	9.69	11.58	9.98	10.14	9.6
England & Wales .....	11.5	11.7	11.7	11.3	11.4

### 7. Specific Death Rates per 1,000 estimated population

	<u>1957</u>	<u>1956</u>	<u>1955</u>	<u>1954</u>	<u>1953</u>
Cardio-vascular disease .....	5.3	6.56	9.27	6.22	6.18
Cancer .....	1.78	2.5	2.12	1.85	1.86
Respiratory Disease .....	0.89	1.01	0.55	0.68	0.69





# 8. Classified Deaths from all Causes

	<u>Males</u>	<u>Females</u>	<u>TOTALS</u>
1. Tuberculosis, respiratory .....	-	-	-
2. Tuberculosis, other forms .....	-	-	-
3. Syphilitic disease .....	-	-	-
4. Diphtheria .....	-	-	-
5. Whooping Cough .....	-	-	-
6. Meningococcal infections .....	-	-	-
7. Acute Poliomyelitis .....	1	-	1
8. Measles .....	-	-	-
9. Other infective & parasitic diseases .....	2	-	2
10. Malignant neoplasm, stomach .....	2	2	4
11. Malignant neoplasm, lung, bronchus .....	5	-	5
12. Malignant neoplasm, breast .....	-	5	5
13. Malignant neoplasm, uterus .....	-	2	2
14. Other malignant & lymphatic neoplasms .....	11	13	24
15. Leukaemia, aleukaemia .....	-	-	-
16. Diabetes .....	1	3	4
17. Vascular lesions of nervous system .....	7	24	31
18. Coronary disease, angina .....	22	6	28
19. Hypertension with heart disease .....	-	3	3
20. Other heart disease .....	18	33	51
21. Other circulatory disease .....	3	3	6
22. Influenza .....	1	1	2
23. Pneumonia .....	4	3	7
24. Bronchitis .....	4	5	9
25. Other diseases of respiratory system .....	2	-	2
26. Ulcer of stomach & duodenum .....	2	-	2
27. Gastritis, enteritis & diarrhoea .....	1	-	1
28. Nephritis & nephrosis .....	-	-	-
29. Hyperplasia of prostate .....	2	-	2
30. Pregnancy, childbirth, abortion .....	-	-	-
31. Congenital malformations .....	1	2	3
32. Other defined & ill-defined diseases .....	10	6	16
33. Motor vehicle accidents .....	2	1	3
34. All other accidents .....	-	6	6
35. Suicide .....	-	1	1
36. Homicide & operations of war .....	-	-	-
<u>TOTALS</u> .....	<u>101</u>	<u>119</u>	<u>220</u>

# 9. Population Birth and Death Ratios

<u>Year</u>	<u>Registrar General's Estimated Figure</u>	<u>Births</u>	<u>Deaths</u>	<u>Birth &amp; Death Ratio</u>
1945	19,700	363	256	+ 107
1946	18,210	353	296	+ 57
1947	18,510	347	322	+ 25
1948	19,700	291	241	+ 50
1949	20,000	310	261	+ 49
1950	21,360	278	279	- 1
1951	21,760	327	300	+ 27
1952	21,520	286	261	+ 25
1953	21,510	309	235	+ 74
1954	22,170	276	247	+ 29
1955	22,200	265	232	+ 33
1956	22,750	289	249	+ 40
1957	22,440	311	220	+ 91





10. Comparative Birth and Death Rates

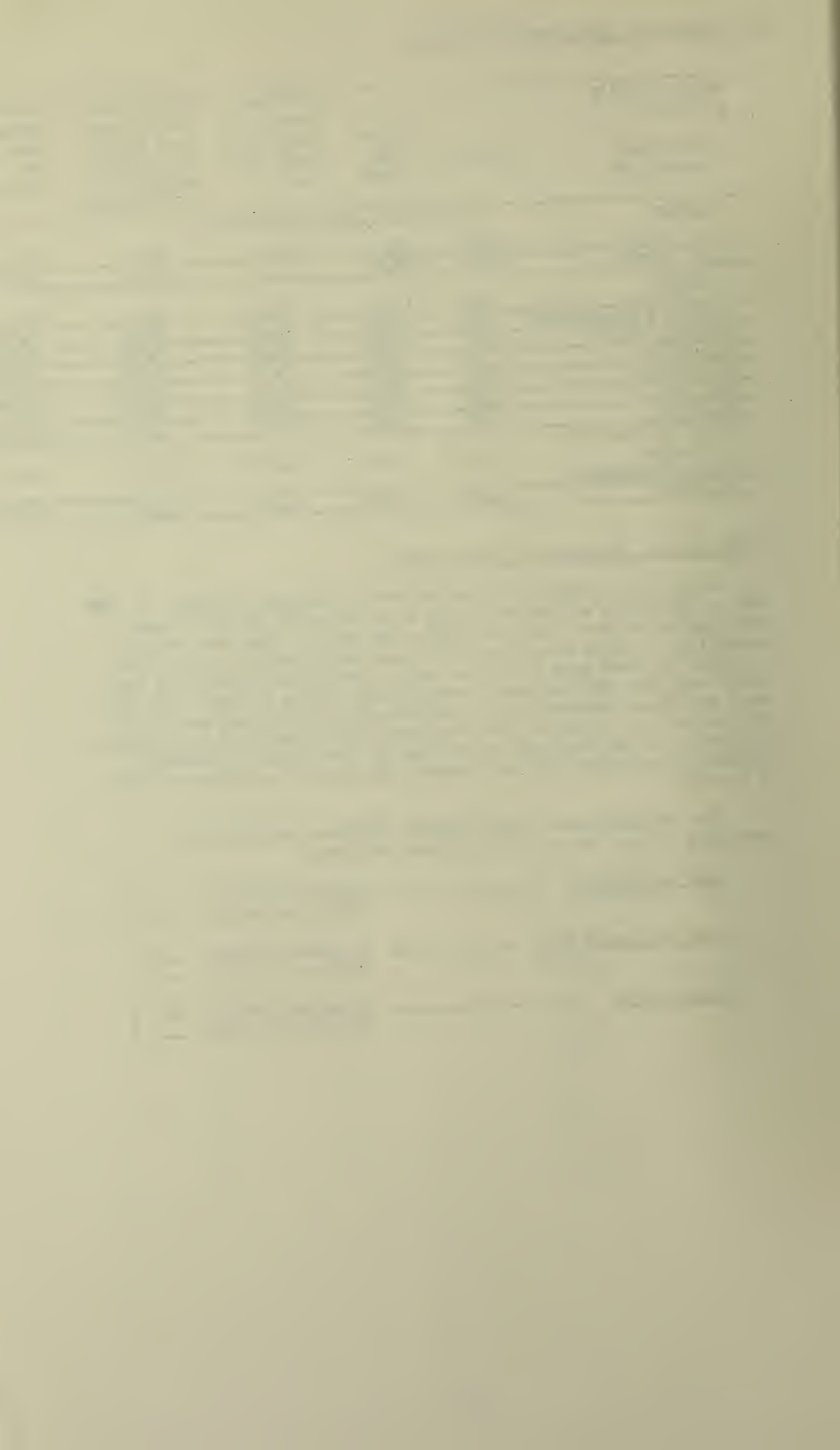
+Comparability Factors		England and Wales	160 County Boroughs & Great Towns (including London)	160 Smaller Towns (Resident Population 25,000 - 50,000 at 1951 Census)	London Administrative County
Births-1.06	Kerrier				
Deaths-1.01					
+Births	(rates per 1,000 population)				
Live Births	14.69	16.1	16.1	16.0	17.7
Still Births	22.01	22.5	22.5	23.2	20.0
Deaths					
+All Causes	9.69	11.5	11.5	11.4	11.4
Typhoid & Paratyphoid	0.00	0.00	0.00	0.00	0.00
Whooping Cough	0.00	0.00	0.00	0.00	0.00
Diphtheria	0.00	0.00	0.00	0.00	0.00
Tuberculosis	0.00	0.11	0.12	0.10	0.13
Influenza	0.08	0.15	0.15	0.15	0.12
Smallpox	0.00	0.00	0.00	0.00	0.00
Acute Poliomyelitis (including Polioencephalitis)	0.04	0.01	0.00	0.00	0.00
Pneumonia	0.31	0.52	0.58	0.47	0.65

Still Births, Neo-Natal & Infant Deaths

There was a reduction in the number of stillborn children in 1957 and in the deaths of children under four weeks. It is now common practice to combine these two figures and to call them the perinatal mortality, as it is found the same causes are operating whether the children are born dead or survive only a few hours. It will be seen therefore, that the perinatal mortality in 1957 is 8 whereas for 1956 when stillborns numbered 10 and the neo-natal deaths numbered 17 the figure was 27. It can be seen therefore, that there is a considerable difference in the combined figures for the two years. A further 2 children died before they had reached the age of 1 year compared with 3 in 1956.

The following table shows whether stillborn children were premature or not, and also their place of birth.

<u>Born in Hospital</u>	.....	Premature Infants	... 2
		Full-time Infants	... 2
<u>Born in Nursing Home</u>	.....	Premature Infants	... -
		Full-time Infants	... 1
<u>Born at Home</u>	.....	Premature Infants	... 1
		Full-time Infants	... 1



## SECTION B

### GENERAL PROVISION OF HEALTH SERVICES

This section covers both Kerrier Rural District and Helston Borough, as all services are shared alike between them, and certain services, such as Home Help and St. John Ambulance are specifically provided for both areas without distinction.

#### 1. Hospital Services

Patient may be treated at Camborne-Redruth Miners' and General Hospital, The Royal Cornwall Infirmary, Truro, The Falmouth and District Hospital, The West Cornwall Hospital, Penzance, or Helston Cottage Hospital, depending on the needs and residence of the patient.

Tuberculosis inpatient treatment is centred at Tehidy Hospital, Camborne, and out-patient and contact clinics are held at Camborne, Falmouth and Penzance.

The Geriatric Unit is centred at Barncoose Hospital, Redruth, with annexes at Meneage House, Helston and Dudock House, Falmouth.

#### 2. Midwifery, Nursing and Health Visiting Services

Home Nursing and midwifery are undertaken by the District Nurse/Midwives, who are also Health Visitors, with responsibility for the care of children up to school age.

##### Staff Complement

Kerrier	-	11 All purpose nurses 1 Part-time T.B. Visitor.
Helston	-	2 Nurse Midwives 1 Full-time Health Visitor.
Porthleven		1 All purpose nurse.

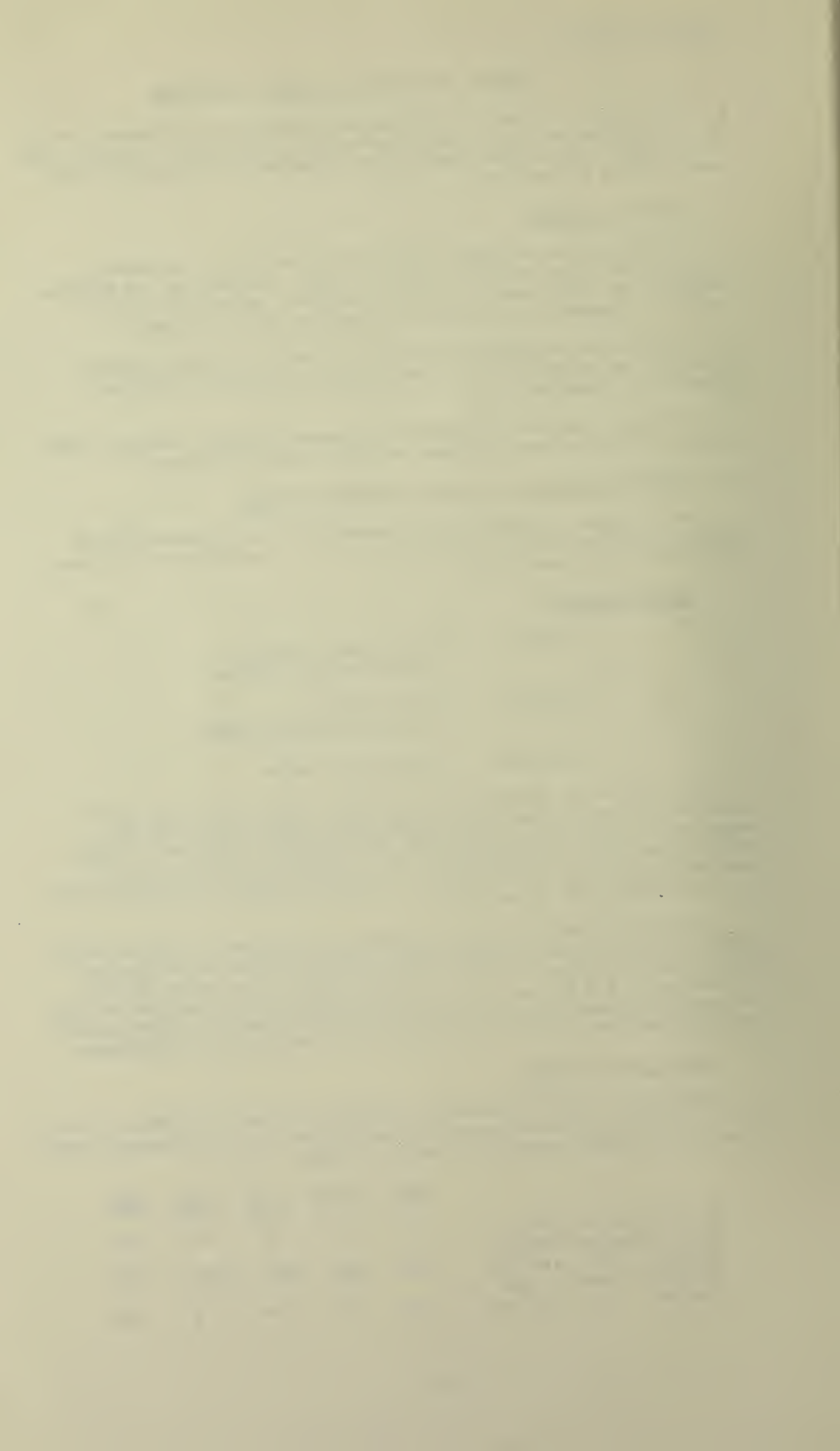
The work in the districts has proceeded well. In the more rural districts the nurse covers all duties, being general nurse, midwife, school nurse and health visitor. She is a practical nurse and a social worker coping with the difficulties of a scattered population to the best of her ability, and regarding the responsibilities of Health Teacher as an important part of her work.

In Helston district there are excellent attendances at the organized Welfare Clinics, Ante-Natal Educational Classes and now at the Parents Club started this year and held in the Band Room on the second Thursday of each month at 7.30 p.m.. Various Various speakers are invited to talk on special subjects associated with the important business of Parenthood. The membership grows and the attendances have justified the experiment.

#### 3. Infant Welfare Clinic

This is held weekly (Wednesday afternoon) at Meneage Hospital, Helston, and is principally attended by mothers and children from the Borough itself although some parents attend from further afield.

	<u>1957</u>	<u>1956</u>	<u>1955</u>	<u>1954</u>	<u>1953</u>
No. of sessions held ...	51	51	51	51	51
Total attendances during the year ... ..	1733	1445	1579	1355	1608
Average attendance per session ... ..	34	28	31	27	31





#### 4. Home Help Service

The Service is administered by the W.V.S. from the offices of Kerrier Rural District Council, and covers most of the area except some parts near Falmouth and in the North of the district nearer Camborne and Redruth, which are supplied with Home Helps from their respective nearest centres.

No. of Maternity cases supplied with domestic assistance ...	18
No. of cases assisted owing to illness in the home .....	8
No. of cases assisted owing to Old Age and Infirmary .....	22
No. of hours Home Helps were employed in respect of above ...	11,903

#### 5. Ambulance Service

The day cover for the district is provided primarily by the County Ambulance Service from the Redruth Depot, which operates 4 radio controlled ambulances and 4 utilecons without a radio. One additional utilecon is stationed at Gunwalloe and this is under wireless control from Redruth. The extreme Eastern part of Kerrier, from Ponsanooth to Budock is under the care of the County Ambulances based at Falmouth.

By night, and at weekends, cover is provided by St. John Ambulance Brigade. The Helston Ambulance is on call for the bulk of the area, but it is reinforced as required by ambulances at Penzance, St. Ives, Hayle, Camborne, Illogan, Redruth and Falmouth.

The following table is a summary of the work carried out by the Helston St. John Ambulance during the year, in addition to other removals carried out by the County Ambulance Service. Comparison is made with the previous two years:-

Month	1957		1956		1955	
	Patients Conveyed	Miles Covered	Patients Conveyed	Miles Covered	Patients Conveyed	Miles Covered
January	21	606	15	413	28	753
February	17	498	25	805	11	266
March	27	602	31	769	35	1056
April	20	555	27	730	29	617
May	23	655	25	793	24	635
June	20	592	27	731	19	587
July	31	854	34	1081	34	1002
August	33	911	28	783	25	754
September	29	801	32	891	32	821
October	31	915	20	634	17	427
November	24	708	28	830	18	517
December	24	578	26	775	18	497
T O T A L S	300	8275	318	9235	290	7932

#### 6. Dental Services

These are provided by the County Council under the direction of a Chief Dental Officer. Each school is periodically visited, and when treatment is required arrangements are made for attendance at Meneage House, Helston, where dental clinic sessions are held weekly. Treatment is also provided at the clinic for pre-school children and nursing mothers when referred by the appropriate Medical Officer.





# SECTION C

## PREVALENCE AND CONTROL OF INFECTIOUS DISEASES

1. Notifications of Infectious Diseases during the year 1957 with comparative figures for the four preceding years.

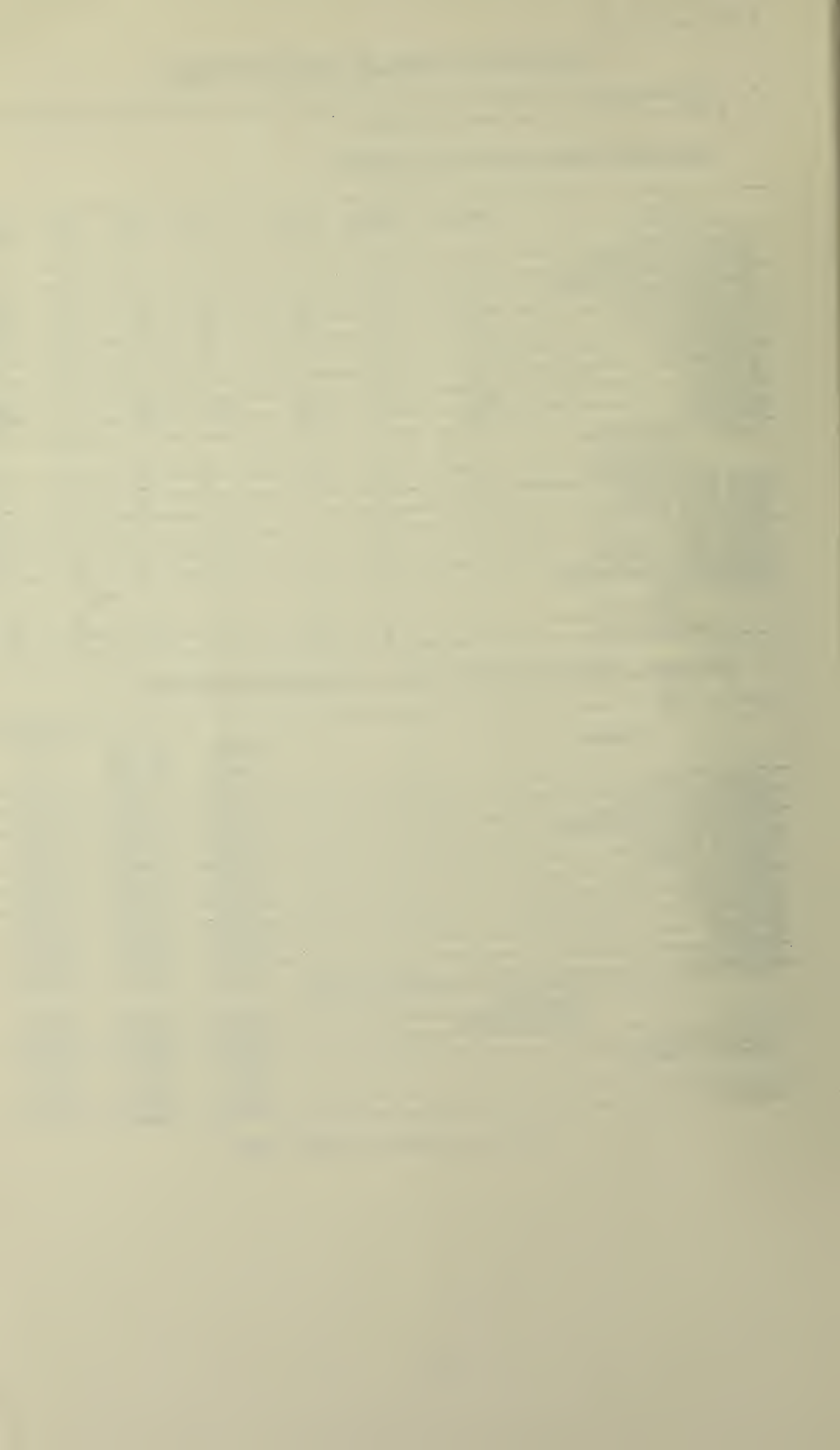
### Helston and Kerrier Districts (combined)

Disease	Kerrier	1957 Helston	Total	1956	1955	1954	1953
Typhoid Fever	-	-	-	-	-	-	-
Paratyphoid Fever	-	-	-	-	-	-	-
Meningococcal Infection	-	-	-	-	-	-	-
Scarlet Fever	-	3	3	25	11	8	37
Whooping Cough	45	5	50	5	52	173	12
Diphtheria	-	-	-	-	-	-	-
Erysipelas	-	-	-	-	-	1	1
Smallpox	-	-	-	-	-	-	-
Measles	157	1	158	242	390	1	393
Pneumonia	5	1	6	2	3	3	3
Acute Poliomyelitis							
Paralytic	3	8	11	-	-	-	1
Non-Paralytic	1	-	1	-	-	-	7
Food Poisoning	-	-	-	-	2	1	-
Puerperal Pyrexia	-	-	-	-	-	-	-
Dysentery	-	-	-	-	-	4	-
Acute Encephalitis	-	-	-	-	-	1	-
Ophthalmia Neonatorum	-	-	-	-	-	-	-
Tuberculosis							
Pulmonary	9	5	14	19	17	26	20
Non-Pulmonary	3	1	4	-	4	4	7

2. Infectious Disease Rates 1957 (per 1,000 estimated population)

Disease	Kerrier R.D.	Helston Borough	England & Wales
Typhoid Fever	0.00	0.00	0.00
Paratyphoid Fever	0.00	0.00	0.00
Meningococcal Infection	0.00	0.00	0.02
Scarlet Fever	0.00	0.48	0.66
Whooping Cough	2.00	0.80	0.61
Diphtheria	0.00	0.00	0.00
Erysipelas	0.00	0.00	0.08
Smallpox	0.00	0.00	0.00
Measles	0.98	0.16	14.11
Pneumonia	0.22	0.16	0.44
Acute Poliomyelitis (including Polioencephalitis)			
Paralytic	0.13	1.28	0.07
Non-Paralytic	0.04	0.00	0.04
Food Poisoning	0.00	0.00	0.23
Puerperal Pyrexia	0.00	0.00	15.99
	(a)	(a)	(a)
Dysentery	0.00	0.00	0.71

(a) per 1,000 live and still births



## Comment

The difference between the spread of disease in a large rural area compared with a small compact Borough is a curious fact, there is such a wide difference in the rates of notification of measles in the two districts. Although there was a minor measles epidemic last year throughout the two districts, the rural area has shown just as many cases as last year, whereas there has been no epidemic at all within the Borough. It is a fact therefore, that in regard to this particular disease the spread was not from the centre outwards but has come from other areas surrounding the rural district.

In other respects except for Acute Poliomyelitis infectious diseases remained at a low level.

### Acute Poliomyelitis

There was a very small outbreak of Acute Poliomyelitis in and around Helston & Porthleven during the summer months.

During July a single case occurred in Helston followed shortly by a further 2 cases in Helston and 2 in Porthleven. After an elapse of some weeks 2 more cases occurred in Helston and 1 which was unfortunately fatal in Gweek. Although considerable investigation was carried out into the movements and contacts of the various cases and their families no obvious connection other than a geographical one could be found.

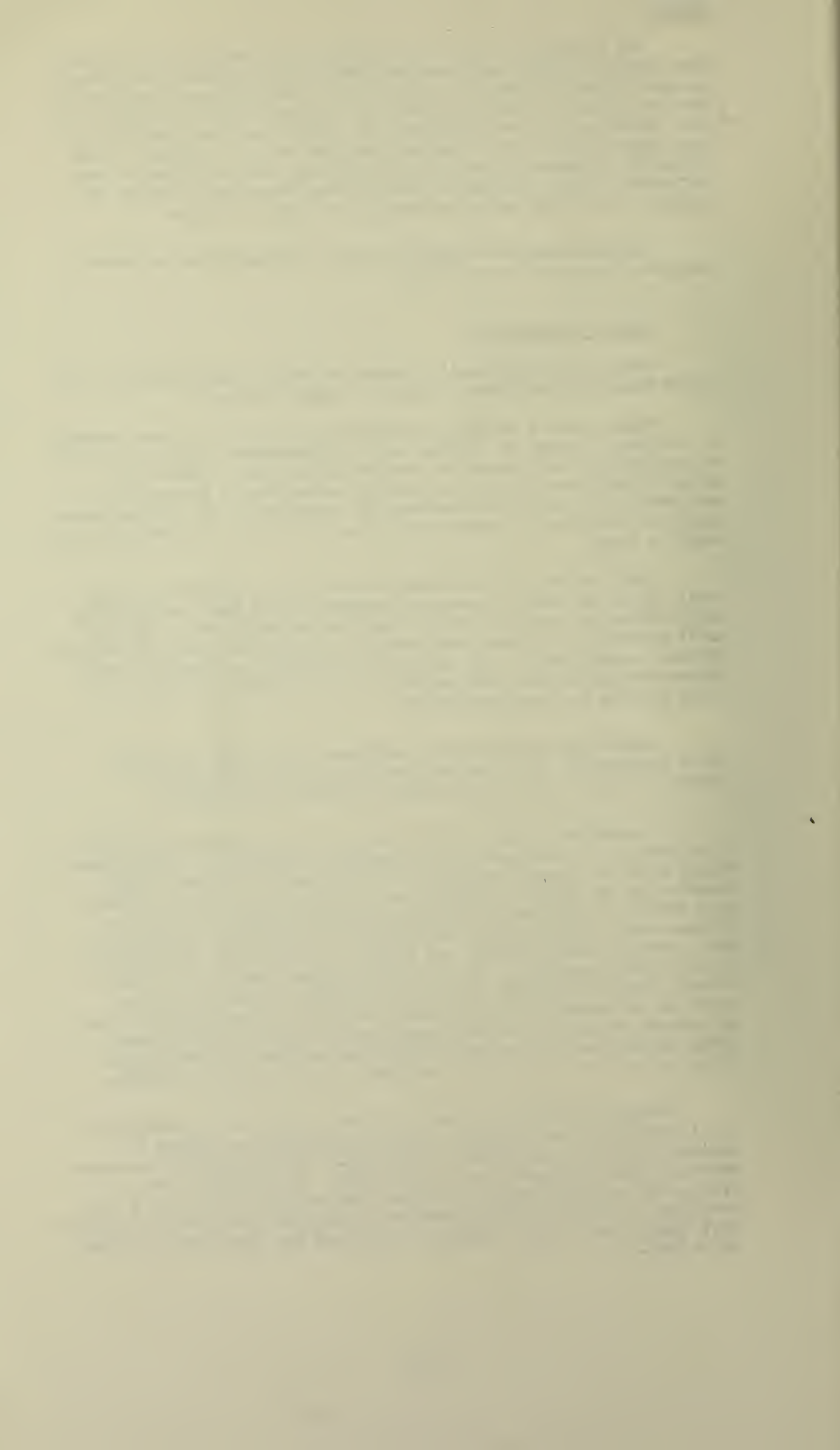
Owing to the very scattered nature of the outbreak and the small number of cases, it was not considered that this warranted any rigid methods of control, and in fact the outbreak died as quickly as it started. What does seem certain is that there were one or more carriers circulating in the district at the time, and that by sheer chance various children and adults had been infected, possibly by close contact in a shop or street.

Other than the fatal case mentioned above, only one other adult suffered any very serious paralysis and 3 of the cases occurring later in the outbreak were in fact non-paralytic.

The curious nature of the disease is well illustrated by the fact that one of the cases in this outbreak occurred in a Guest house where there are several children, and also one of the cases which occurred in the Kerrier district was a child who arrived on holiday to a private hotel already suffering from the disease, and yet in neither case, although there are plenty of children in the houses, was a further case notified, nor in fact did any signs of infection arise in the households. It is for this reason that I do not feel at the moment that strict isolation of family contacts is of any value in the control of the disease, and it is not my practice even to prevent fathers and mothers continuing to work at their normal jobs, so long as it does not involve food handling or work whereby they are in close contact with children, such as school teachers.

It was felt that the running of the Porthleven Swimming Gala was inadvisable, particularly to young adolescents who might be inclined to exhaust themselves physically. It is known that strenuous exercise taken by people who are incubating poliomyelitis very frequently has fatal results, and for this reason I felt that I was justified in asking the Gala Committee to cancel the event, which they most kindly did, at some expense to the fund for which the event was to be held.







### 3. IMMUNISATION and VACCINATION

#### Kerrier Rural District

##### Diphtheria/Whooping Cough/Tetanus

	<u>Primary</u>	<u>Refresher</u>
0 - 5 years .....	175	2
5 - 15 years .....	4	28
<u>TOTALS</u> .....	<u>179</u>	<u>30</u>

##### Diphtheria/Whooping Cough

	<u>Primary</u>	<u>Refresher</u>
0 - 5 years .....	24	4
5 - 15 years .....	3	8
<u>TOTALS</u> .....	<u>27</u>	<u>12</u>

##### Diphtheria

	<u>Primary</u>	<u>Refresher</u>
0 - 5 years .....	2	1
5 - 15 years .....	14	290
<u>TOTALS</u> .....	<u>16</u>	<u>291</u>

##### Whooping Cough

	<u>Primary</u>	<u>Refresher</u>
0 - 5 years .....	195	6
5 - 15 years .....	11	36
<u>TOTALS</u> .....	<u>206</u>	<u>42</u>

#### Helston Borough

##### Diphtheria/Whooping Cough/Tetanus

	<u>Primary</u>	<u>Refresher</u>
0 - 5 years .....	81	-
5 - 15 years .....	2	4
<u>TOTALS</u> .....	<u>83</u>	<u>4</u>

##### Diphtheria/Whooping Cough

	<u>Primary</u>	<u>Refresher</u>
0 - 5 years .....	14	1
5 - 15 years .....	1	3
<u>TOTALS</u> .....	<u>15</u>	<u>4</u>



Diphtheria

	<u>Primary</u>	<u>Refresher</u>
0 - 5 years .....	1	-
5 - 15 years .....	8	120
<u>TOTALS</u> .....	<u>9</u>	<u>120</u>

Whooping Cough

	<u>Primary</u>	<u>Refresher</u>
0 - 5 years .....	90	1
5 - 15 years .....	8	7
<u>TOTALS</u> .....	<u>98</u>	<u>8</u>

There has been a great increase in the use of the triple Diphtheria/Whooping Cough/Tetanus vaccine, and it does seem that in future this will be the vaccine of choice in the area.

The total of immunisations carried out in respect of immunisation against Diphtheria is very considerably up on previous years, and I think that this reflects a great deal of credit on the ability of Health Visitors to persuade mothers of children of the advantages to be gained by immunisation.

Smallpox Vaccination

The following vaccinations were carried out in 1957:-

Kerrier Rural District

	<u>Primary Vaccination</u>	<u>Re-vaccination</u>	<u>TOTAL 1957</u>	<u>TOTAL 1956</u>
0 - 5 years .....	103	5	108	104
5 - 15 years .....	19	9	28	11
Over 15 years .....	17	47	64	49
<u>TOTALS</u> ...	<u>139</u>	<u>61</u>	<u>200</u>	<u>164</u>

Helston Borough

	<u>Primary Vaccination</u>	<u>Re-vaccination</u>	<u>TOTAL 1957</u>	<u>TOTAL 1956</u>
0 - 5 years .....	90	2	92	58
5 -15 years .....	13	7	20	-
Over 15 years .....	5	15	20	11
<u>TOTALS</u> ...	<u>108</u>	<u>24</u>	<u>132</u>	<u>69</u>

There is also, as can be seen from the figures above a considerable increase in the amount of Smallpox vaccination carried out during the year, and again this is most creditable to all concerned.



Polionyelitis Vaccination (for combined areas - Camborne-Redruth U.D.C.  
Kerrier R.D.C., Helston B.C.)

At the end of 1957 the Minister of Health acting on the advice of the Medical Research Council decided, in order to complete immunisation of all children up to the age of 15 whose parents desired it, to purchase large quantities of polionyelitis vaccine from Canada. It was therefore arranged to distribute cards for completion by the parents to all school children in the district, and these cards were given to the children at the end of the Autumn term, 1957, with instructions to return them as soon as possible. Cards were distributed to parents of children born in 1955 and 1956 and in the first half of 1957 by the Health Visitors as these parents had not previously been circularised.

As a result of this, out of approximately 13,500 children eligible in the combined areas there had been received by the 31st. December, 1957, consent cards for 6,402 children, this figure of course including cards already received from the previous registration. At the end of the year in addition to the 193 children who were immunised in 1956 there had been additionally immunised 1,182 in 1957. Of these 549 children were immunised in the Camborne-Redruth area, 305 by myself and 244 by family doctors.

Thus there were at the end of the year 5,027 children awaiting immunisation against polionyelitis before the summer began. This was a very considerable problem in view of the scattered nature of the whole area from Portreath to St. Reverne, but I am fortunate in that most of the family doctors in the district are themselves taking part in the scheme and will between them have immunised approximately half of the children. It has also been found necessary to get the School Doctors, Dr. Cook and Dr. Knight, to take immunisation sessions on days when I am not available. I have no doubt that we shall succeed in this task by the end of May 1958, should sufficient vaccine be made available.

4. Tuberculosis

Age Groups	NEW CASES						DEATHS					
	Pulmonary			Non-Pulmonary			Pulmonary			Non-Pulmonary		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
0 - 1 years ...	-	-	-	-	-	-	-	-	-	-	-	-
1 - 5 years ...	2	-	2	-	-	-	-	-	-	-	-	-
5 - 15 years ...	2	-	2	1	-	1	-	-	-	-	-	-
15 - 45 years ...	4	4	8	-	-	-	-	-	-	-	-	-
45 - 65 years ...	2	-	2	-	-	-	1	1	2	-	-	-
65 and over ...	1	1	2	-	-	-	-	-	-	-	-	-
<u>T O T A L S</u> ...	11	5	16	1	-	1	1	1	2	-	-	-

Helston Borough

Age Groups	NEW CASES						DEATHS					
	Pulmonary			Non-Pulmonary			Pulmonary			Non-Pulmonary		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
0 - 1 years ...	-	-	-	-	-	-	-	-	-	-	-	-
1 - 5 years ...	-	-	-	-	-	-	-	-	-	-	-	-
5 - 15 years ...	-	-	-	-	-	-	-	-	-	-	-	-
15 - 45 years ...	3	2	5	1	-	1	-	-	-	-	-	-
45 - 65 years ...	2	-	2	-	1	1	-	1	1	-	-	-
65 and over ...	1	-	1	-	-	-	-	-	-	-	-	-
<u>T O T A L S</u> ...	6	2	8	1	1	2	-	1	1	-	-	-





	<u>Kerrier</u>	<u>Helston</u>
No. of cases on Register at 31.12.57. ....	147	51
New cases notified .....	17	10
No. restored to Register .....	1	1
No. of cases transferred from other areas ....	6	2
No. of cases transferred to other areas .....	8	3
Removed from Register as cured .....	7	1
No. died .....	2	1
New cases per 1,000 population .....	0.76	1.55
Death rate per 1,000 population .....	0.09	0.15

#### Contact Tracing 1957

	<u>Kerrier</u>	<u>Helston</u>
Cases on Register .....	147	51
Contacts under 20 .....	19	12
Refused .....	3	-
Skin Tested .....	10	12
Awaiting Test at 31.12.57. ....	3	-
Results of Skin Tests (Mantoux Tests)		
Positive (Immune) .....	7	3
Negative (Susceptible) .....	9	9

#### B.C.G. Vaccination of Negative reactors

	<u>Kerrier</u>	<u>Helston</u>
Offered B.C.G. Vaccination .....	12	9
Accepted B.C.G. Vaccination .....	9	9
Refused B.C.G. Vaccination .....	3	-
Awaiting B.C.G. Vaccination .....	3	-
Other B.C.G. Vaccinations of remote contacts	22	9
Total B.C.G. Vaccinations .....	31	18

This vaccination of contacts is an important part of control of the disease as by this means we are able to prevent relatives and friends of known cases from remaining susceptible to the disease. This tends to restrict the number of people who can be infected by the disease and gradually builds up a wall of immunity around each patient, thereby saving others and at the same time making the patient less likely to worry about any possible danger to friends and relations.

A further part is played by B.C.G. vaccination in the protection of susceptible children before they leave school. (The figures for this area found in the next set of tables).

No. of children eligible for Test (born 1943) .....	298
No. consented .....	235
No. of children whose parents have refused investigation	55
No. of children previously seen at the Chest Clinic	8
No. of children Mantoux tested .....	226
No. of children absent for test .....	9
No. of children absent for inspection .....	4
No. of children with Positive reaction .....	61
No. of children with Negative reaction ,.....	161
No. of children B.C.G. vaccinated .....	161

(These figures are for Helston & Kerrier combined).

#### Level of Immunity in those tested

Out of the 226 children skin tested and inspected only 61, or 26.9% had reached a stage where immunity could be assumed, 71.2% (161) were still susceptible. 161 were then vaccinated.

THE  
OFFICE OF THE  
TREASURER OF THE  
UNITED STATES  
DEPARTMENT OF THE  
TREASURY  
WASHINGTON, D. C.

RECEIVED  
JAN 10 1900  
U. S. DEPT. OF TREASURY  
WASHINGTON, D. C.

TO THE  
HONORABLE  
COMMISSIONER OF THE  
GENERAL LAND OFFICE  
WASHINGTON, D. C.

FOR THE  
PURPOSE OF  
RECEIVING THE

AMOUNT OF THE  
RENTS AND  
PROFIT OF THE  
LANDS

HEREIN  
SPECIFIED

IN THE  
SUM OF

ONE HUNDRED  
AND FIFTY  
DOLLARS

FOR THE  
RENT OF THE

LANDS

HEREIN  
SPECIFIED

IN THE  
SUM OF

ONE HUNDRED  
AND FIFTY  
DOLLARS

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supply.

Water supplies in the area during the twelve months under review have been well maintained. No restriction was placed on consumers where piped supplies are available.

The average daily production of water from the various pumping plants is as follows:-

Trerise	41,000 gallons per day.
Lizard	10,000 gallons per day.
Mullion	53,000 gallons per day.
Mill Mohal	72,000 gallons per day.
	-----
Total	176,000 gallons per day.
	=====

Stithians 1st Phase Scheme.

Work on the reservoir at Roskrow Wood is progressing satisfactorily and tenders have been invited for the pipe laying Contract.

Breage-Germoe Water Scheme.

Work on the above Scheme has been almost completed during this year and it is now proposed to extend the Scheme to the Tresowas-Balwest area.

Piped Water Supply Samples.

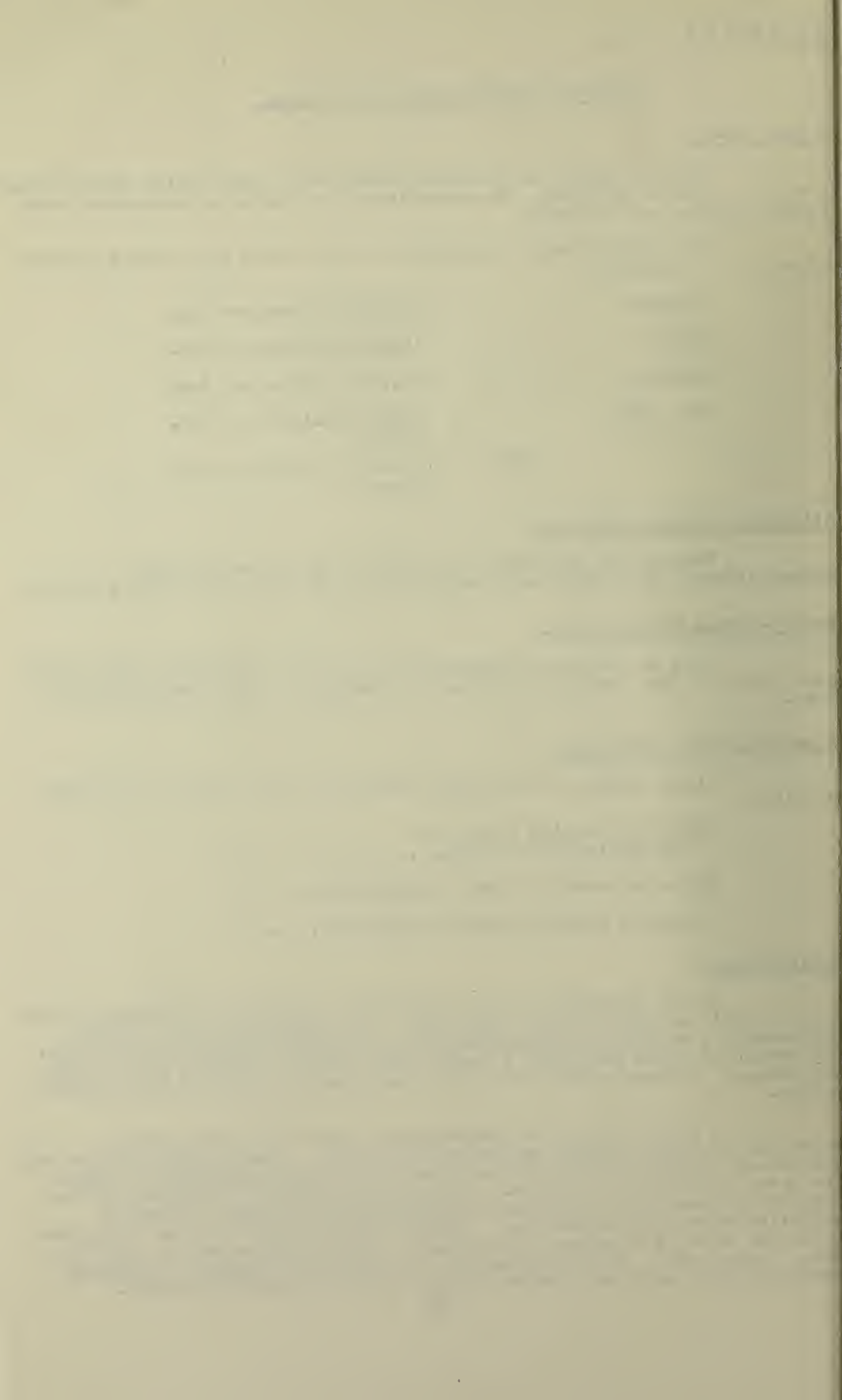
Piped supplies were tested during the year with the following results:-

Number of samples taken for bacteriological analysis .....	36
Number of samples being satisfactory ....	35
Number of samples showing pollution .....	1

Public Wells.

As the provision of the mains water supplies progresses so does the necessity of public wells decrease. The District is now rapidly approaching a satisfactory position as far as public wells are concerned. The amount of works necessary to carry out repeated sampling and general maintenance is diminishing and so allowing more time for new and pressing duties.

A large area of the District must still for some time be dependant on small schemes and individual wells. These wells have in some cases been improved and it has been the aim of the Department to sample the water at regular intervals. It is apparent from a scrutiny of the samples obtained that the water from such wells is open to surface pollution at varying intervals. Notices are displayed on all wells, the waters of which show signs of pollution, advising the users to boil the water before use. The Department has a routine precaution of sampling doubtful water supplies at more frequent intervals than is normal.





Tabulated below is a record of the samples taken for bacteriological analysis from Public Wells together with the various results obtained therefrom.

Number of samples taken .....	126
Number of samples being satisfactory .....	63
Number of samples being unsatisfactory .....	34
Number of samples being suspicious .....	29

PARTICULARS OF WATER SAMPLES TAKEN FROM PUBLIC WELLS FOR 1957

Location	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
<u>BREAGE</u>												
Bakers Row				S								
Trescowe Council Hses						U	U					
Ashton					D							
Trevurvas						U	U					
Trew				U								
Trescowe Pump						U	U					
Breage Chute				S								
2 Chimneys Camping Site					SS							
New Council Hses, Ashton					S							
Prah Sands Camping Site					S							
Tresowas Green					S							
Chute, Godolphin				S								
Pengersick Council Hses					S							
Rinsey Council Houses					S							
<u>BUDOCK</u>												
Lamanva					D							
Trevera Pump					U		S					
Trevera Council Hses					D							
<u>CONSTANTINE</u>												
Nr. Gweek Inn.			D									
New Row, Gweek			U									
Dip Well, Gweek			U									
Off lane to Jobs Water					D							
Brilleigh Cott			U									
Riverside, Gweek			U									
Brill Chute							U					S
Brill Tce Ccl Hses							S					
Penbothidno Ccl Hses							S					
Sevorgan	S											
<u>CROWAN</u>												
Blackrock	S											S
Crowan	S											S
Horsedowns	S											S
Townshend	S											S
Nr. Ccl Hses, Nancegollan	S											S
Releath									S			
<u>CURY</u>												
Gwealheath	D											
<u>GERMOE</u>												
S. Rotary, Germoe						D						
Trewithen Terrace						D						
Millpool						U	U					
<u>GRADE-RUAN</u>												
Red Triangles, Penhale					S							
Camping Site, Penhale					S							
<u>MABE</u>												
Chute Mabe										D		
Rose-in-Valley					S							
Higher Spargo							S					
Coronation Cottages										D		
Nr. School, Trenoweth										D		
Antron Hill Terrace										D		
Treliiever Cross										UUU	UUU	

/Continued overleaf .....





PARTICULARS OF WATER SAMPLES TAKEN FROM PUBLIC WELLS FOR 1957. (Continued)

Location	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
<u>MAWGAN</u>												
Bridge Rosevear	U											
Garras	S											
Ship Inn	S											
Churchtown	S											
<u>ST. GLUVIAS</u>												
Laity Moor		D										S
Ponsanooth		S										D
Treluswell Chute										U		
Cosawes Estate		S										S
Higher Tce, Ponsanooth		S										D
Lower Tce, Ponsanooth		D										
Nr. Stag Hunt Inn		D										
<u>ST. KEVERNE</u>												
Coverack Col Hses						S						
Penmenner Estate						S						
<u>SITHNEY</u>												
Prospidnick			S									
Boscad, Jack Green			U									
Sithney Green										S		
Sithney										U		
Chynale Chute	U									S		
Prospidnick Hill	S									S		
Boscad, Jack Mill			S							U		
Mellangoose			U									
<u>STITHIANS</u>												
Long Downs					D							
Coronation Cotts						SD						
Tregolls											S	
Tretheague Mill											U	
Herniss					D							
Treseverne Croft											S	
Kennal Vale						S						
South Road											D	
Gribbes Corner											D	
Foundry						S						
Crellow New Road						U						
Vellandrucia						D						
Carncrease											S	
Penhalurick											U	
Hendra Close												S
<u>WENDRON</u>												
Carmmenellis Chute					S							
Polhigey Moor					S							
Treloquithack									D			
Burhos											S	
Golden Lion											S	
Trenear									S			
Nr. Viscar Farm					S							
Yellow Works											S	
Halwin											S	
Nr. Chapel, Burhos											D	
Lestraynes Lane											DU	U
Medlyn Moor									D			
Village Pump, Carnkie					S							
Trinity Close					S							
Crellly			U						D			

S ..... Satisfactory  
U ..... Unsatisfactory  
D ..... Doubtful





## Drainage and Sewerage.

Work in the provision of sewerage systems continues to be slow and to some extent frustrating. Whilst the comparatively new system at Praze continues to give excellent service and only normal maintenance works have had to be undertaken, further essential schemes are very slow in reaching enquiry or commencing stage.

The areas now served by sewers are as under :-

MULLION (part). COVERACK (part). THE LIZARD (part) and PRAZE.

A satisfactory position has now been reached at Mabe where work on the new scheme was commenced during the latter part of the year and it is hoped that the scheme will be in operation before the end of 1958.

The cesspool emptying service has once more had a very full and busy year. The demands on the service appear to increase from month to month and the books are always in a healthy condition with from 10 - 20 jobs in hand at any period. Needless to say one must say 'Thank You!' to the operators who have given, and continue to give, such excellent service under often difficult and appalling conditions. The extent of the effort can be judged by the data given below which I feel must give the Council some grounds for satisfaction.

Number of cesspits emptied.....	653
Number of loads removed.....	1597
Total gallonage.....	1,277600

## Refuse Collection.

As previously mentioned in relation to the cesspit emptying service the refuse collection service continues to grow as regards quantities to be collected and distances to be travelled. A full weekly service has been maintained and extended where necessary. This has necessitated considerable overtime during the summer months the operators have co-operated in the fullest sense of the word. I feel that the Council can be reasonably satisfied with the record of this service which, with a minimum labour force continues to accomplish all that is asked of it.

Refuse disposal continues to be something of a headache and tipping is now confined to three refuse tips situate at Mullion, Bonython and Brill, Constantine. Disposal is by means of controlled tipping and one must admit that at times the emphasis is on the word tipping rather than controlled. However, taken over the year the position has been reasonably satisfactory and very little complaint has been made as to the state of the Council's tips.

As in previous years the tips have been regularly treated for the control of rodents and flies with marked success.

Total No. of loads of refuse collected...	1711
Estimated total tonnage.....	3935
Total mileage involved.....	36870

## Disinfection of houses.

The department was called upon to disinfect numerous properties during the course of the year all of which were dealt with by the use of insecticide spray :-

Number of houses requiring disinfection....	14
Number of visits made.....	29

## Rat and Mice destruction.

The Rodent Control service operated throughout the year and coped with the demand. In the main treatments were confined to (i) several large business concerns, (ii) Council's refuse tips and (iii) a comparatively small number of private property. There were no cases of any real heavy infestation.

No. of treatments carried out.....	58
No. of baiting points used.....	1391





Housing Act, 1949 and 1957.

Work during the year in the field of Housing continued to show considerable progress towards what I consider to be the maximum number of dwellings it is possible to deal with during the course of twelve months. As in previous years the Council has endeavoured to do everything possible to assist house Owners to bring their properties up to a reasonable standard of fitness and considerable work has been done in this respect.

Housing Grants have continued and even increased in demand throughout the year and inspite of the growing burden placed on the limited number of staff these have been tackled and dealt with satisfactorily. Consultations with property owners were carried out and properties were duly inspected in response to the 64 applications for Grant which were received during the year.

Some of the properties completed during the year were selected for inspection and it was gratifying to observe the general high standard of work that had been put into these Grant aided projects.

I may add that if enquiries are to be accepted as an indication of property owner's interests then further considerable progress should be made in future years.

Without further comment I feel the following tables and data should prove well worth a little attention and should go some way to show that this Council are very house conscious :-

No. of applications received.....	64
No. of applications approved.....	51
No. of applications in respect of which works were completed in the year...	50
TOTAL No. of visits.....	310
TOTAL approved expenditure.....	£30,457:18: 3
TOTAL amount of Grants made.....	£13,380: 0: 0
Grant as a percentage.....	44%

SUMMARY OF IMPROVEMENT GRANTS 1955 - 1957.

	1955.	1956.	1957.	TOTAL (3 years)
No. of applications received	51	50	64	165
No. of applications approved	44	46	51	141
No. of applications in respect of which works were completed	23	39	50	112

Housing Act, 1957.

Section 9. Unfit houses capable of repair at reasonable expense.

Houses made fit by Owner (i) after informal notice... 1  
(ii) after formal notice..... Nil

Houses made fit by Local Authority..... Nil

Section 16. Unfit houses incapable of repair at reasonable expense.

(i) houses made fit by Owner after submitting list of  
works for Local Authority's approval..... Nil

(ii) houses closed for human habitation following  
undertaking given by Owner..... 15

Section 17. (a) houses demolished (i) by Owner..... 8  
(ii) by Local Authority..... Nil

Section 17. (b) houses closed for human habitation by  
(1) (3) Closing Order..... 1

Section 18. Parts of houses closed..... Nil

Section 42. Clearance Areas :-

	Houses demolished.	D i s p l a c e d	
		persons	families.
(a) houses unfit for human habitation.....	Nil	-	-
(b) houses included by reason of bad arrangement, etc.....	Nil	-	-
(c) houses on land acquired under Section 43(2).....	Nil	-	-





Section 78. Overcrowding :-

Cases which necessitated action by the Local Authority... Nil.

The total No. of dwellinghouses in the district is 6887 made up as follows :-

Private.....6255  
Council  
houses..... 632  
Council huts.. 64

Meat Inspection - Carcasses inspected and condemned.

	Cattle excluding Cows.	Cows.	Calves.	Sheep and Lambs.	Pigs.
Number killed	: 1688	185	622	4215	2799
All diseases except T.B. Whole carcasses condemned	: -	-	2	11	-
Carcasses of which some part or organ was condemned	: 461	65	2	210	127
Percentage of the number inspected affected with disease other than T.B.	: 27	35	-	5	5
Tuberculosis only. Whole carcasses condemned	: 5	5	-	-	1
Carcasses of which some part or organ was condemned	: 149	59	-	-	152
Percentage of the number inspected affected with Tuberculosis	: 9	34	-	-	5

The carcasses referred to above were condemned and destroyed for the following reasons :-

- 6 Sheep - Dropsy and emaciation.
- 1 Sheep - Severe bruising, dropsy and emaciation.
- 1 Sheep - Bruising, Oedema and emaciation.
- 1 Sheep - Septicaemia
- 1 Sheep - Bruising and gangrene
- 1 Sheep - Septic Metritis.
- 3 Heifers - Generalised Tuberculosis.
- 1 Heifer - Generalised Tuberculosis, Peritonitis and Dropsy.
- 1 Ox - Generalised Tuberculosis & Cysticercus Bovis.
- 5 Cows - Generalised Tuberculosis
- 1 Sow - Generalised Tuberculosis
- 2 Calves - Immaturity

In addition to the above the following were found to be affected with Cysticercus Bovis and were sent for cold storage treatment :-

19 Steers -  
2 Heifers

SUMMARY OF CASES OF CYSTICERCUS BOVIS FOR THE YEARS 1953 - 1957.

Animal	1953	1954	1955	1956	1957	TOTAL (5 years)
Steers	2	10	6	9	19	46
Heifers	5	3	-	3	2	13
Bulls	-	-	1	-	-	1
Cows	3	2	2	2	-	9
TOTAL	10	15	9	14	21	69





# ilk (Special Designation) Regulations.

Distributors Certificates granted  
during the year..... 2  
No. of T.T.Dealer's licences issued  
during the year.....30  
No. of Pasteurised Dealer's licences  
issued during  
No. of inspections made...

## ndividual Caravans and Caravan Sites.

Caravans are now a familiar sight amongst the countryside and along the coast of the District. Control is through the Public Health Act, 1936 and the Town and Country Planning Act, 1947. Under the Public Health Act, 1936, the Council has the powers of making conditions, which must be fulfilled and maintained, for the licensing of sites and individual caravans.

There are 14 licensed sites for ten or more caravans which are listed below :-

<u>Site.</u>	<u>Total Allowed.</u>	<u>No.all year.</u>	<u>No. Summer only.</u>	<u>Water Supply.</u>	<u>Sanit-ation.</u>
Two Chimneys Caravan Site, engersick, Prah Sands.	200	30	170	Adit.	W.C.s.
Pen Valley Caravan Site, Trelil, Budock.	152	27	125	Mains	3 W.C. blks & Elsan blk.
engersick Caravan Site, Prah Sands.	100	50	50	Adit	W.C.s.
Trennack Sands, Kuggar.	55	-	55	Mains.	W.C.s.
Penrhys, Cury.	45	-	45	Deep Well.	W.C.s.
Penryn, Ashton, Breage.	30	-	30	Adit	W.C.s.
Mullion Cove, Mullion.	30	8	22	Mains	W.C.s.
Pen Triangle Caravan Site, Penhale Cross Roads, Ruan Minor.	30	-	30	Bore-hole.	W.C.s.
Little Cosawes Caravan Site, T. Gluvias.	30	15	15	Well.	W.C.s.
Penendreath Camping Site (Mr Gay) Ruan Minor.	50	-	50	Mains	Plans approved
Pen Acres, Kennack Sands.	24	-	24	Mains	W.C.s.
Trelil Camping Site, Trewennack.	20	20	-	Mains	W.C.s.
Gilly Gabben, Mawgan.	16	16	-	Mains	W.C.s.
Penregullas Farm, Penhale Cross Roads.	10	-	10	R.W. & Well.	W.C.s.

Of the seven sites containing permanent residential caravans, 3 (Trelil, Mullion Cove and Gilly Gabben) are mainly used by Naval Personnel from Culdrose Fleet Air Arm Station. Deducting these three sites there are 22 caravans for permanent occupation on 4 licensed sites

Details of licensed sites for less than 10 caravans are as follows:

	<u>Caravans for Summer only.</u>	<u>No. all the year round.</u>
No. of sites for six caravans.....	1	6
No. of sites for three caravans.....	4	9
No. of sites for two caravans.....	8	8



Ice - Cream.

Ten premises were newly registered for the sale and storage of Ice - Cream during the year under review, bringing the total number of premises now registered to 100.

Thirty-eight samples of Ice - Cream were taken from various premises during the Summer season all of which were reported, following analysis, to be Group 1.

Factories Act, 1937.

Inspections for purposes of provisions as to health (including inspections made by Public Health Inspectors).

Premises	No. on Register	Number of		
		Inspect-ions.	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1,2,3,4 & 6 are enforced by L.A.	11	5	-	-
(ii) Factories not included in (i) which Section 7 is enforced by the L.A.	51	9	4	-
(iii) Other premises in which Section 7 is enforced by the L.A. (Excluding Outworkers premises)	-	-	-	-
TOTAL	62	14	4	-

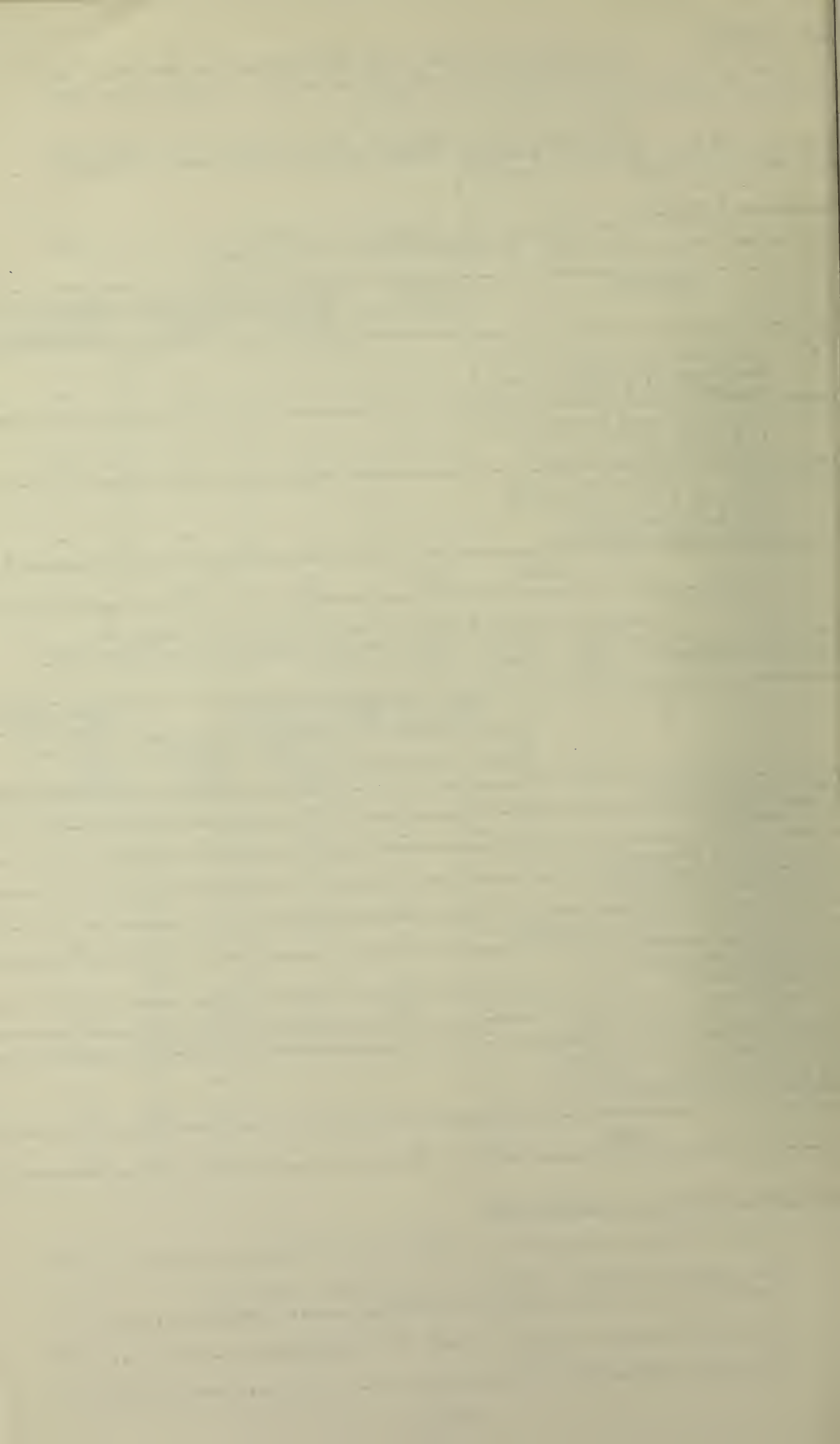
2. Cases in which defects were found (if defects are discovered at the premises on two, three or more separate occasions they should be reckoned as two, three or more 'cases').

	Number of cases in which defects were found.				No. of cases where prosecutions were instituted.
	Found	Remedied	To H.M. Insp-ector.	By H.M. Inspe-ctor.	
Want of cleanliness	-	-	-	-	-
Overcrowding	-	-	-	-	-
Unreasonable temperature	-	-	-	-	-
Inadequate ventilation	-	-	-	-	-
Ineffective drainage of floors	-	-	-	-	-
Sanitary Conveniences :-					
(a) Insufficient	1	2	-	1	-
(b) unsuitable or defective	-	2	-	2	-
(c) not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to Outworkers).	-	-	-	-	-
TOTAL	1	4	-	3	-

Details of Inspections carried out.

Choked drains, cesspools and drainage nuisances.....	382
New drainage systems inspected and advice given on construction of new drainage systems.....	263
Existing drainage systems tested and examined.....	12
Nuisances connected with houses.....	176





Nuisances from the accumulation of refuse.....	13
Nuisances from piggeries.....	8
Miscellaneous nuisances.....	54
Unsatisfactory housing conditions.....	78
Housing Act - premises inspected and visits re. matters connected therewith.....	234
Improvement Grants.....	310
Disinfestation of premises.....	1
Rats and Mice.....	25
Refuse Disposal and tips.....	84
Water Supply.....	134
Water Sampling.....	58
Milk Dairies and matters re. Milk Regulations.....	27
Ice-Cream manufacturing premises and sampling.....	40
Shops and stalls selling Ice-Cream.....	46
Food premises (purposes other than for Ice-Cream).....	15
Slaughterhouses (Inspection of Meat, etc).....	716
Knackers Yard.....	68
Individual Caravans (31) Caravan Sites.....	74
Factories and Workshops.....	23
Building Byelaws (other than drainage).....	419
Sewage Disposal works, plants and sewers.....	301
Public Conveniences.....	48
Miscellaneous visits.....	64

Public Health Act, 1936.

- Section 39. 15 Notices were served under this Section during the year.  
Works to comply with 3 Notices were completed during the year
- Section 93. 1 Notice was served under this Section and was complied with  
during the year.

